

Figure 1

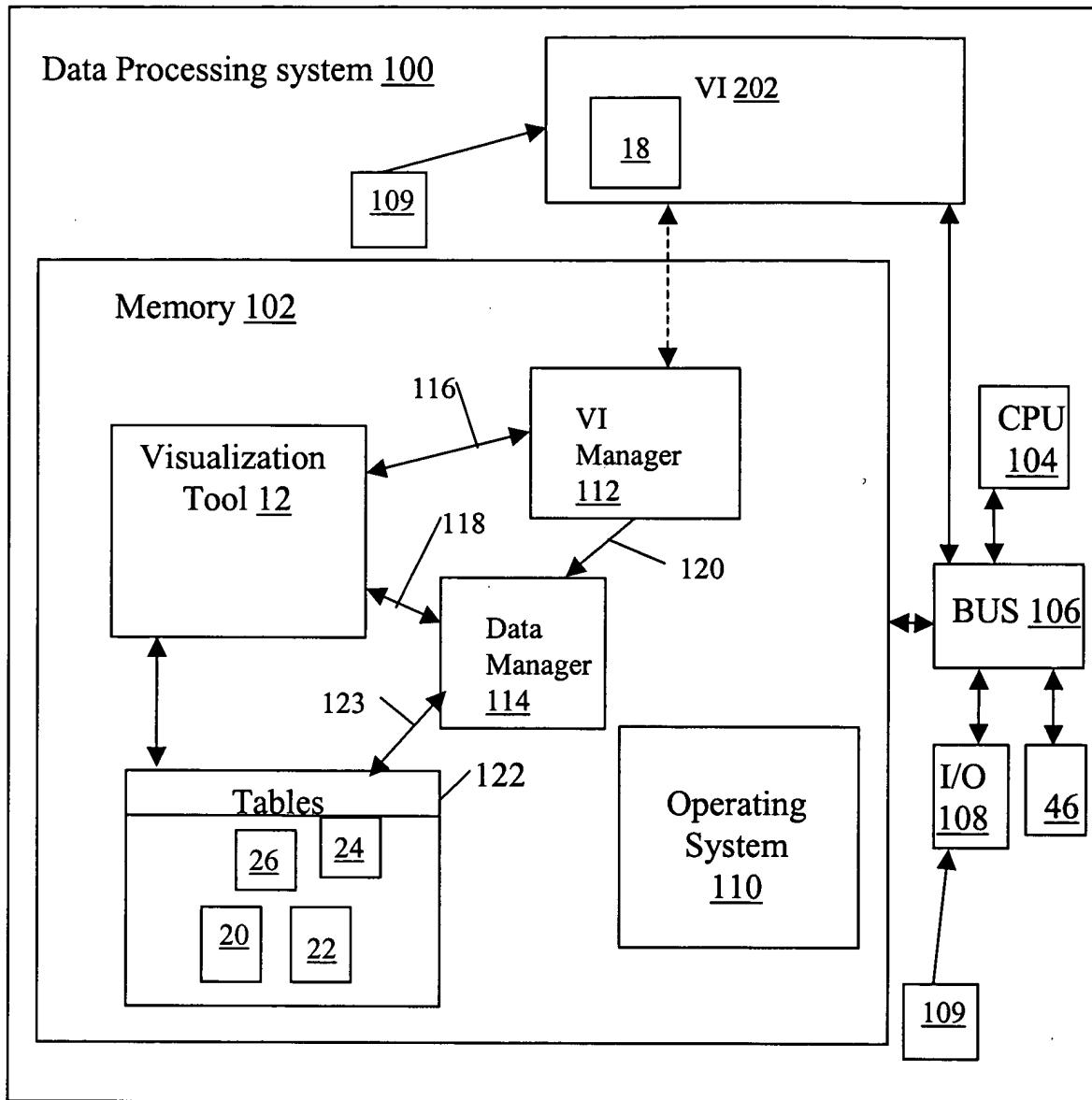


Figure 2

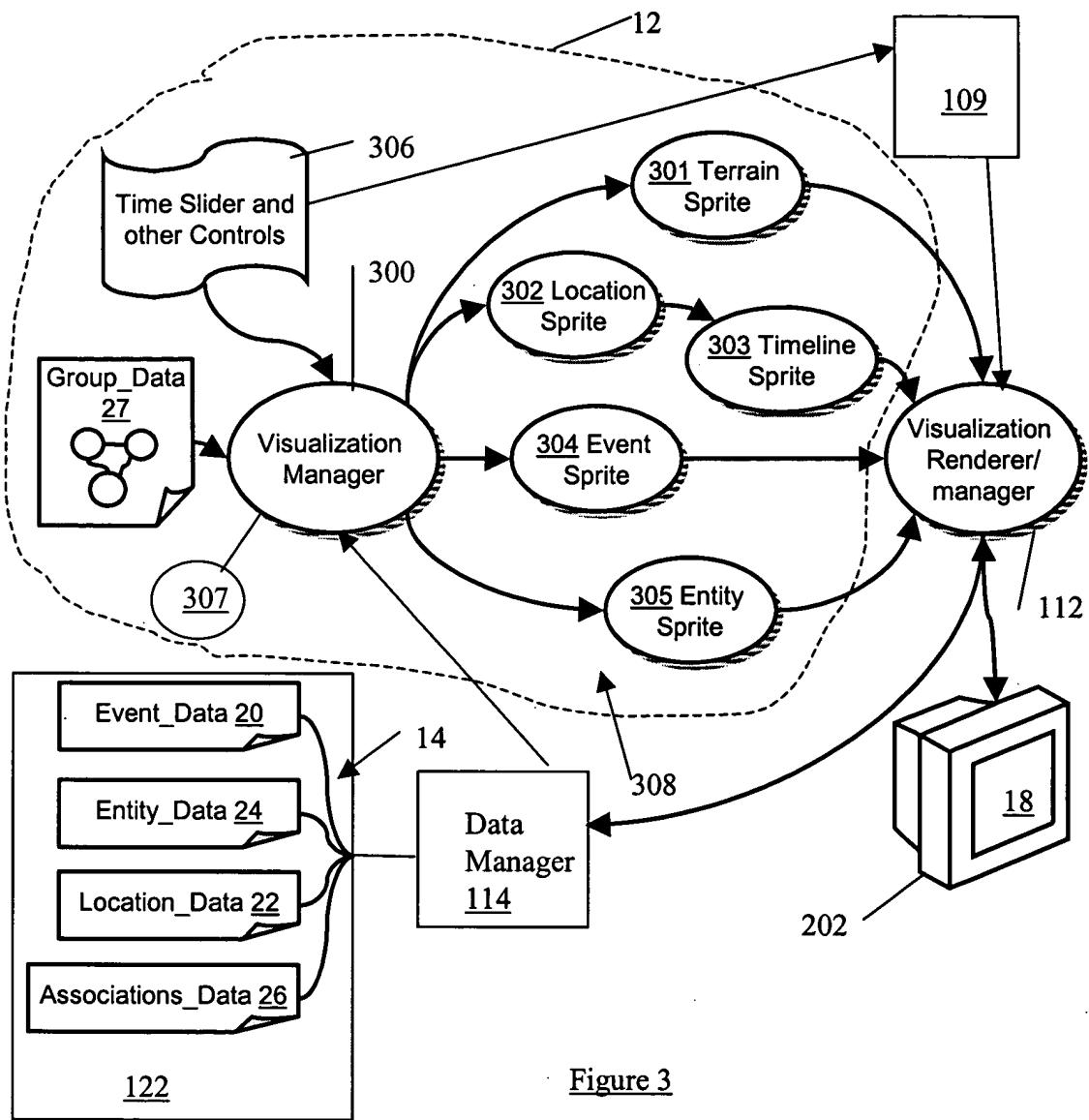


Figure 3

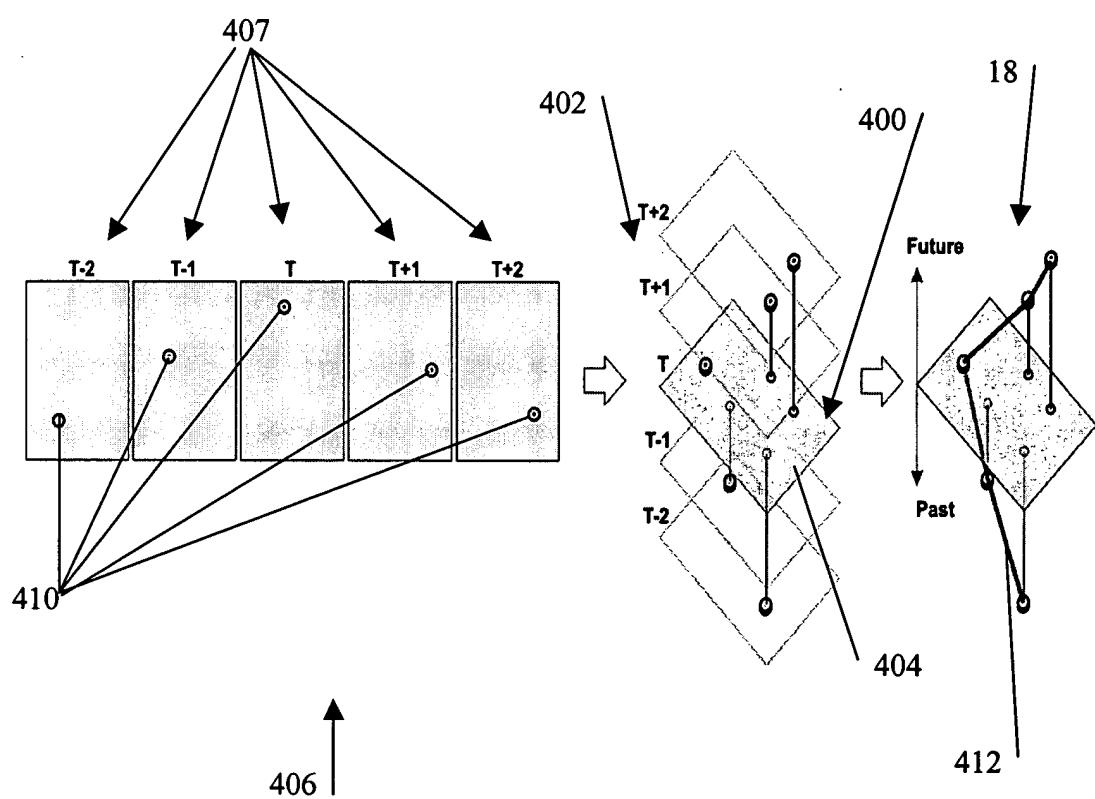


Figure 4

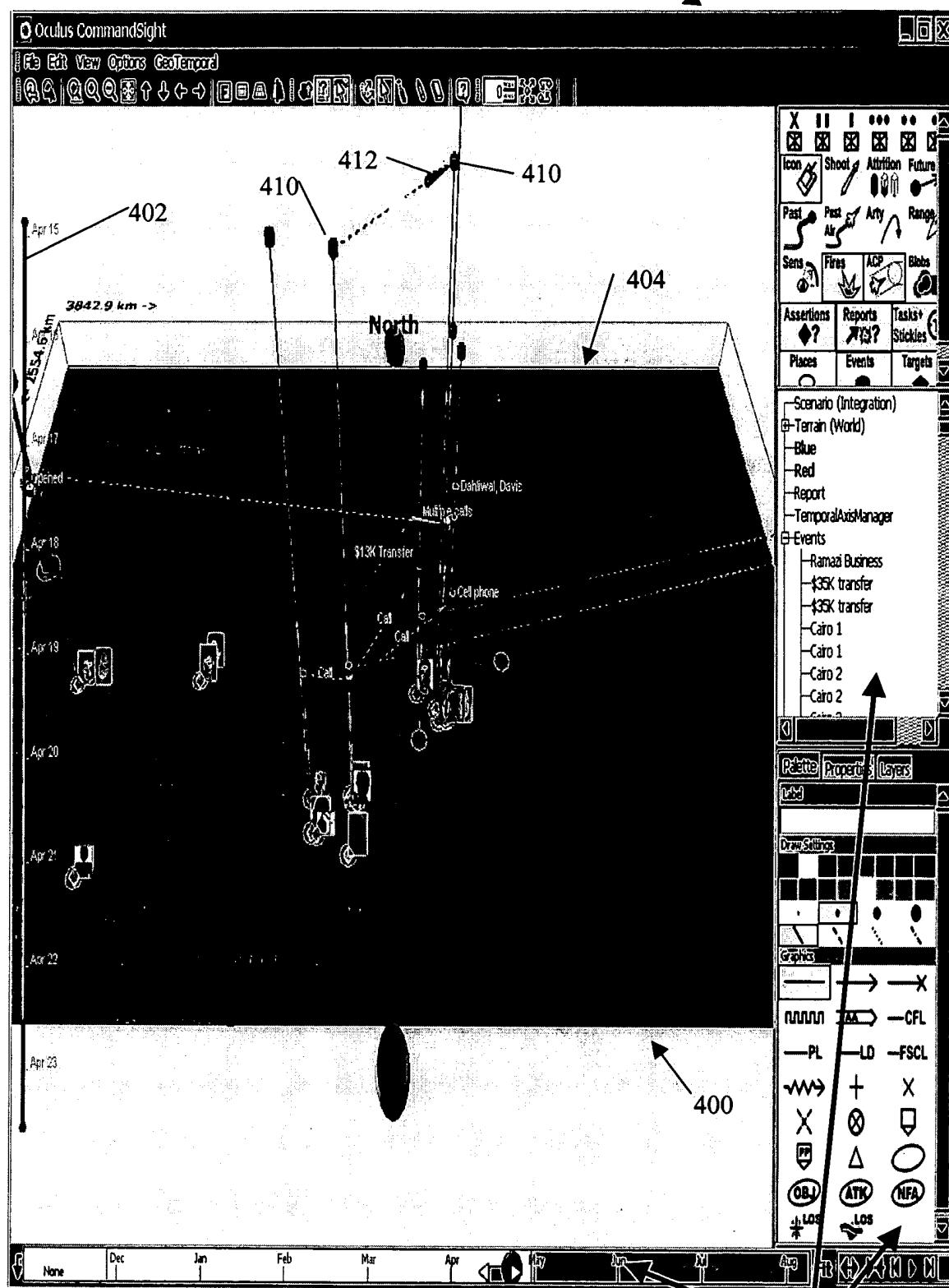
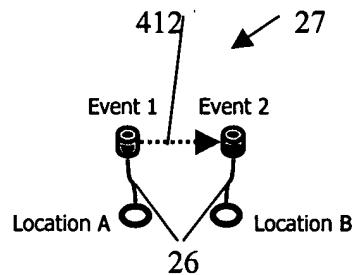


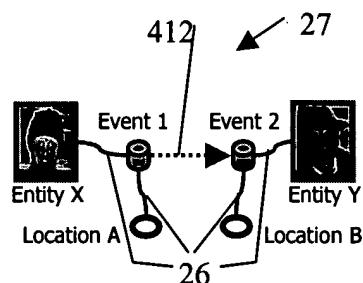
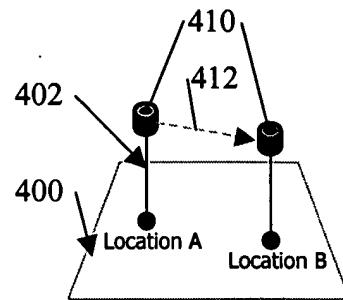
Figure 5

306

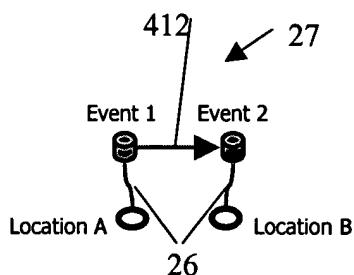
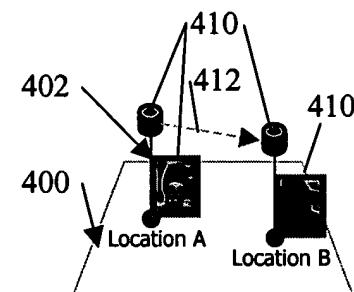
18



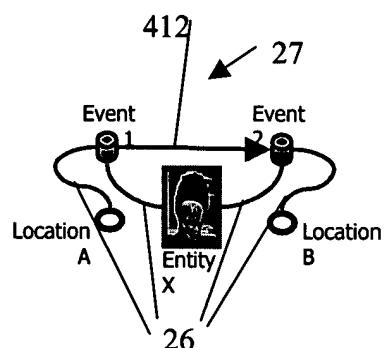
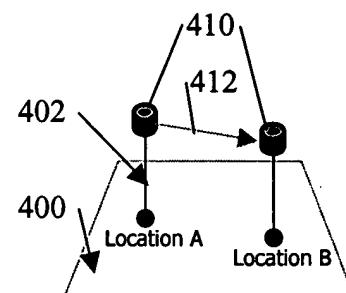
**Soft Vector Group**  
*(Phone Call, email, money transfer)*  
**3 Associations:**  
 •Event1 occurred at Location A  
 •Event 2 occurred at Location B  
 •Event 1 directed at Event 2



**Soft Vector Group with Actors**  
*(Phone Call, email, money transfer)*  
**5 Associations: Same as above plus...**  
 •Entity X present at Event 1  
 •Entity Y present at Event 2



**Hard Vector Group**  
*(Documented transport such as air or boat travel)*  
**3 Associations:**  
 •Event1 occurred at Location A  
 •Event 2 occurred at Location B  
 •Event 1 moves to Event 2



**Hard Vector Group with Actors**  
*(Transport of a person or thing)*  
**5 Associations: Same as above plus...**  
 •Entity X present at Event 1 (departure)  
 •Entity X present at Event 2 (arrival)

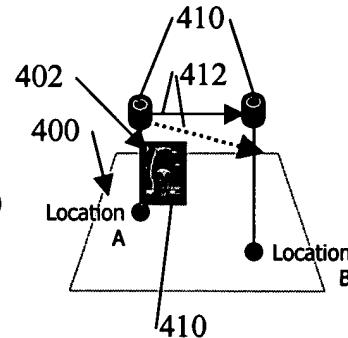


Figure 6

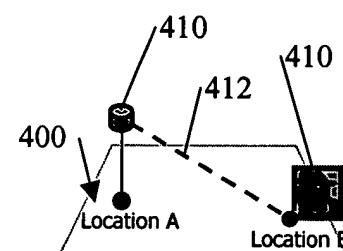
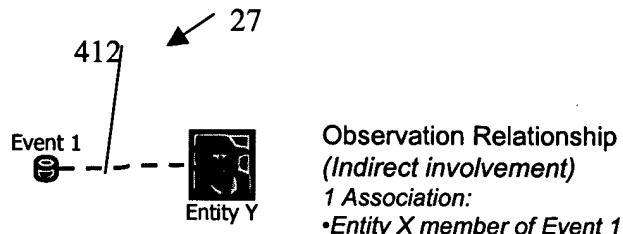
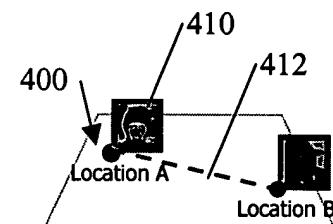
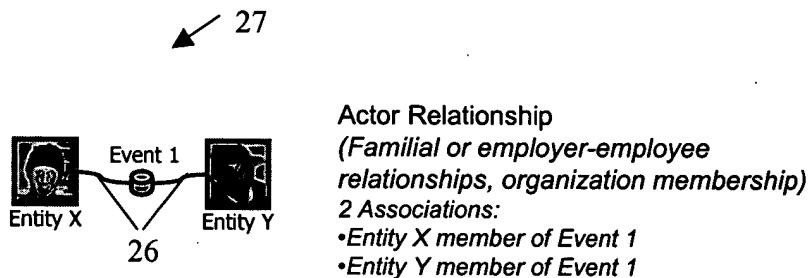
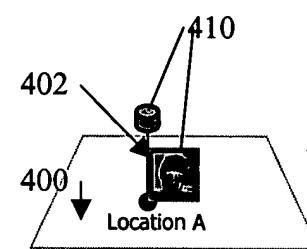
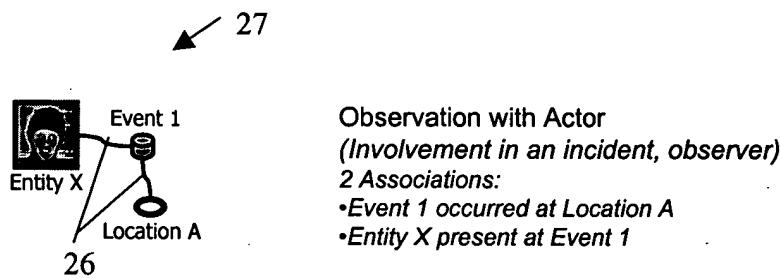
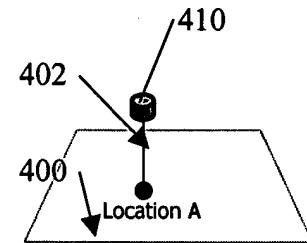
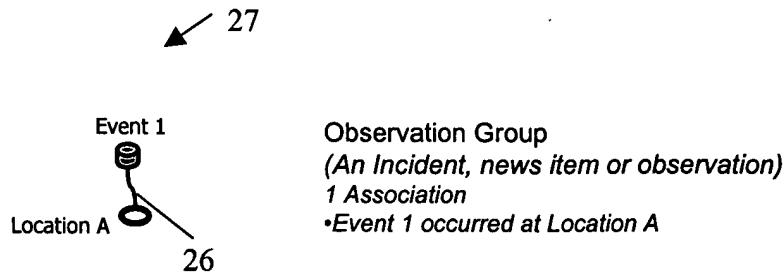


Figure 7

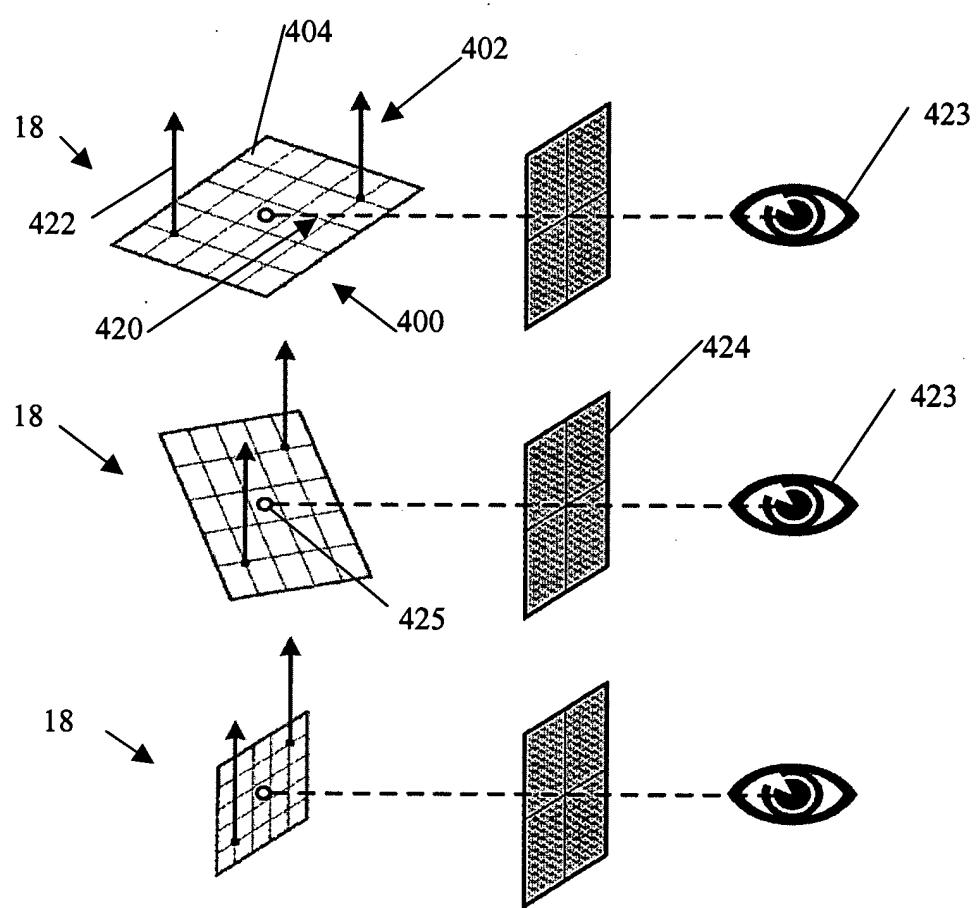


Figure 8

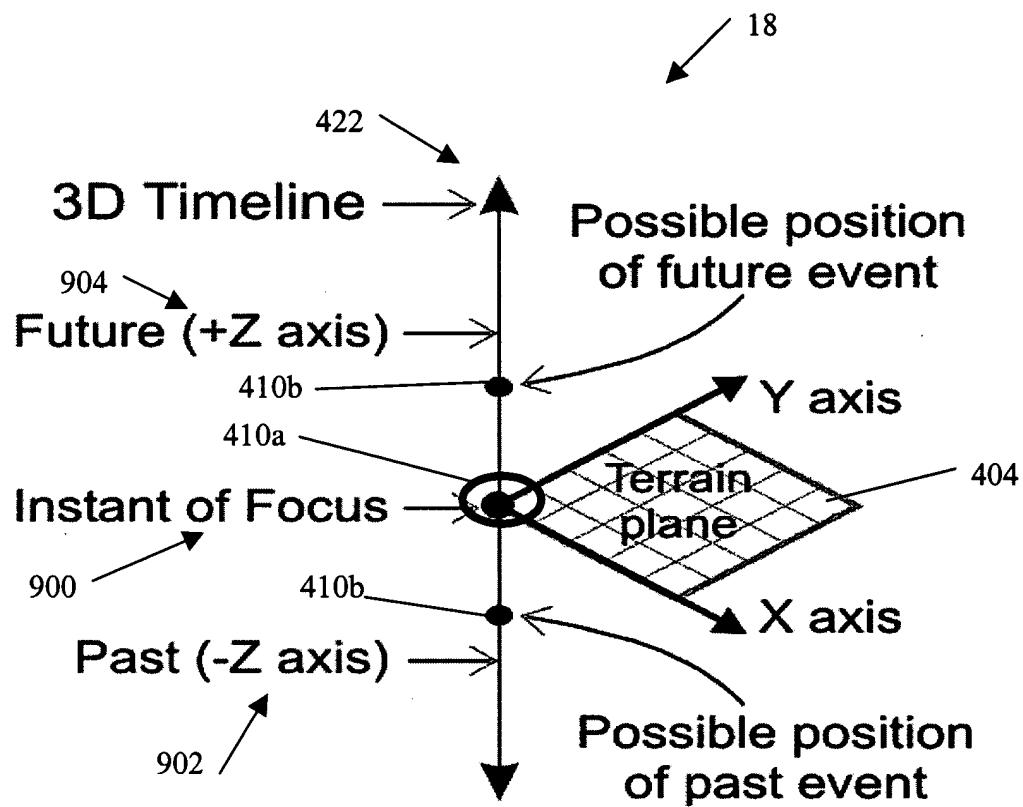


Figure 9

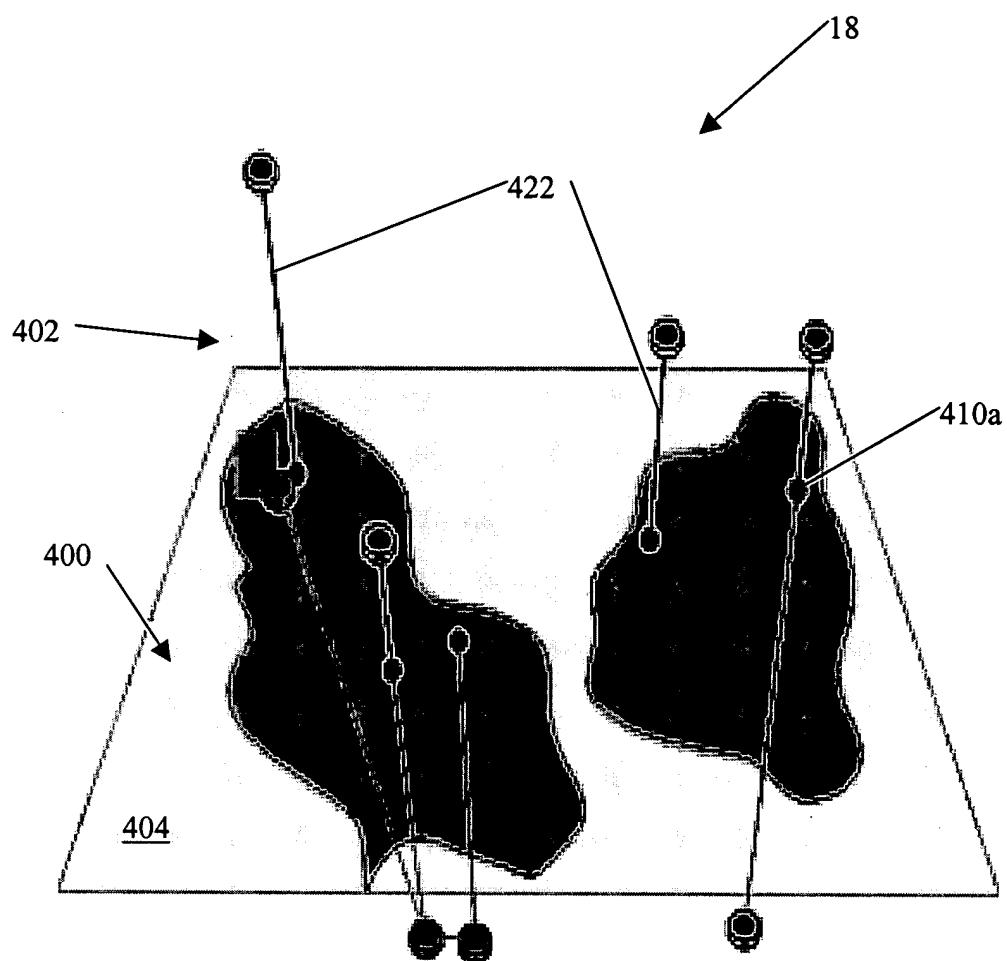


Figure 10

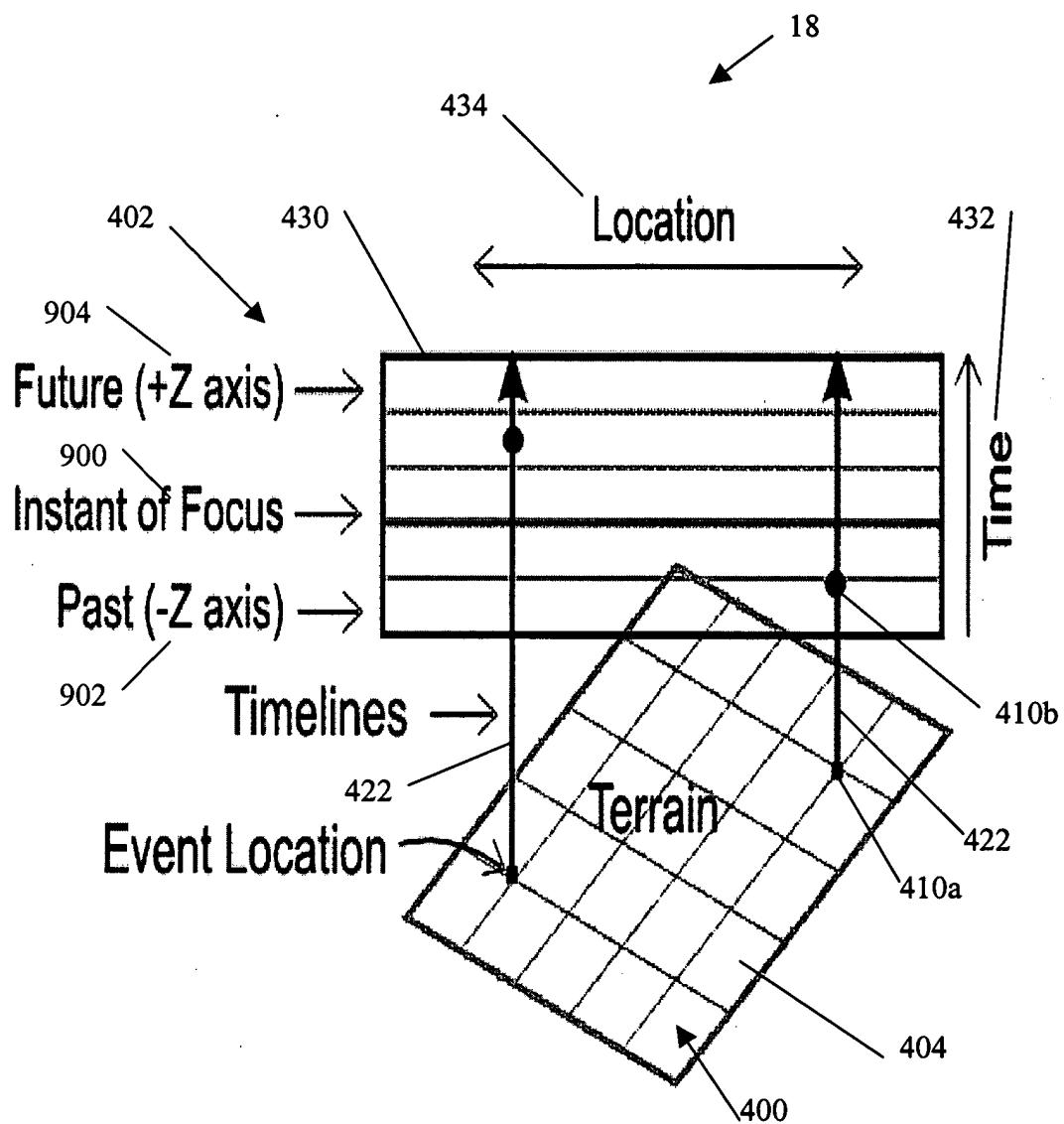


Figure 11

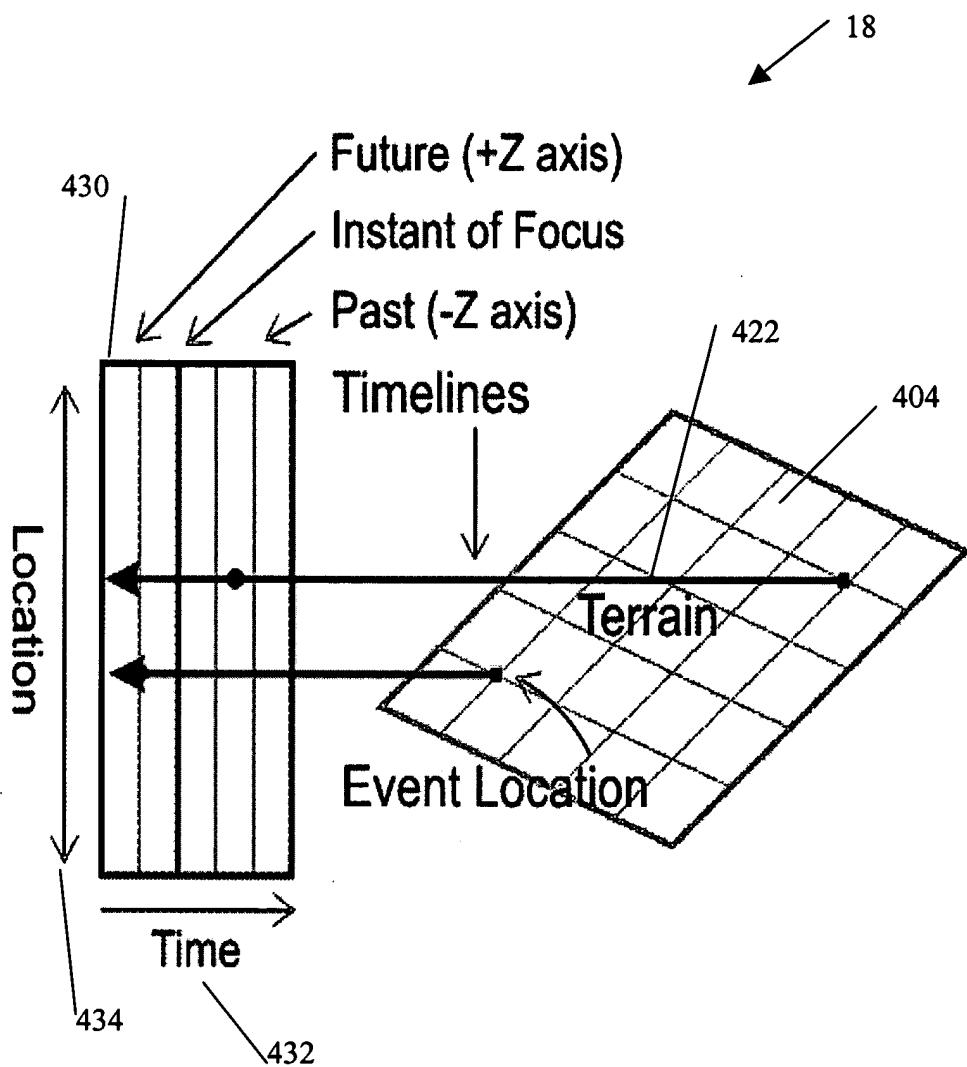


Figure 12

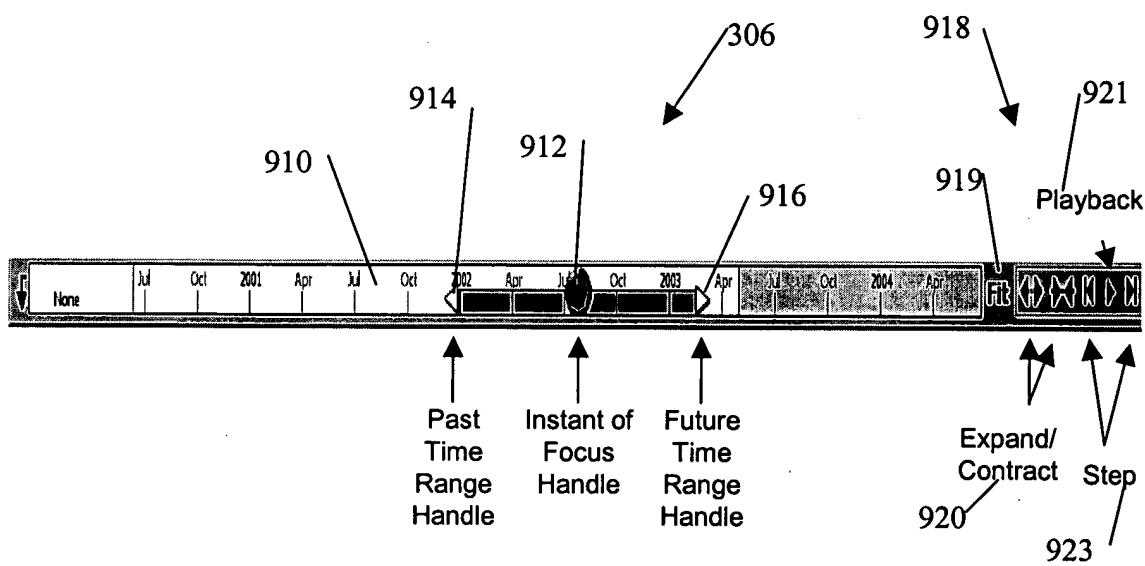


Figure 13

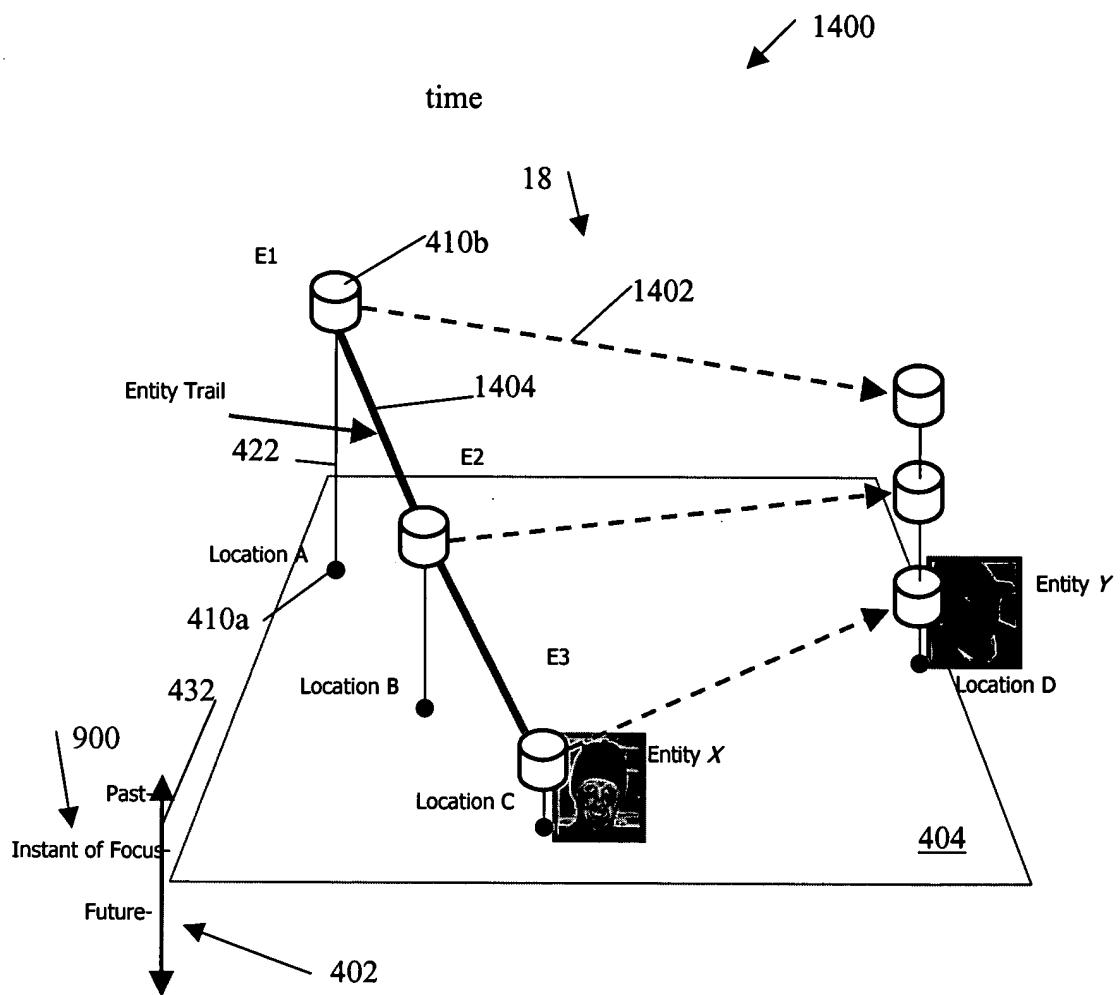


Figure 14

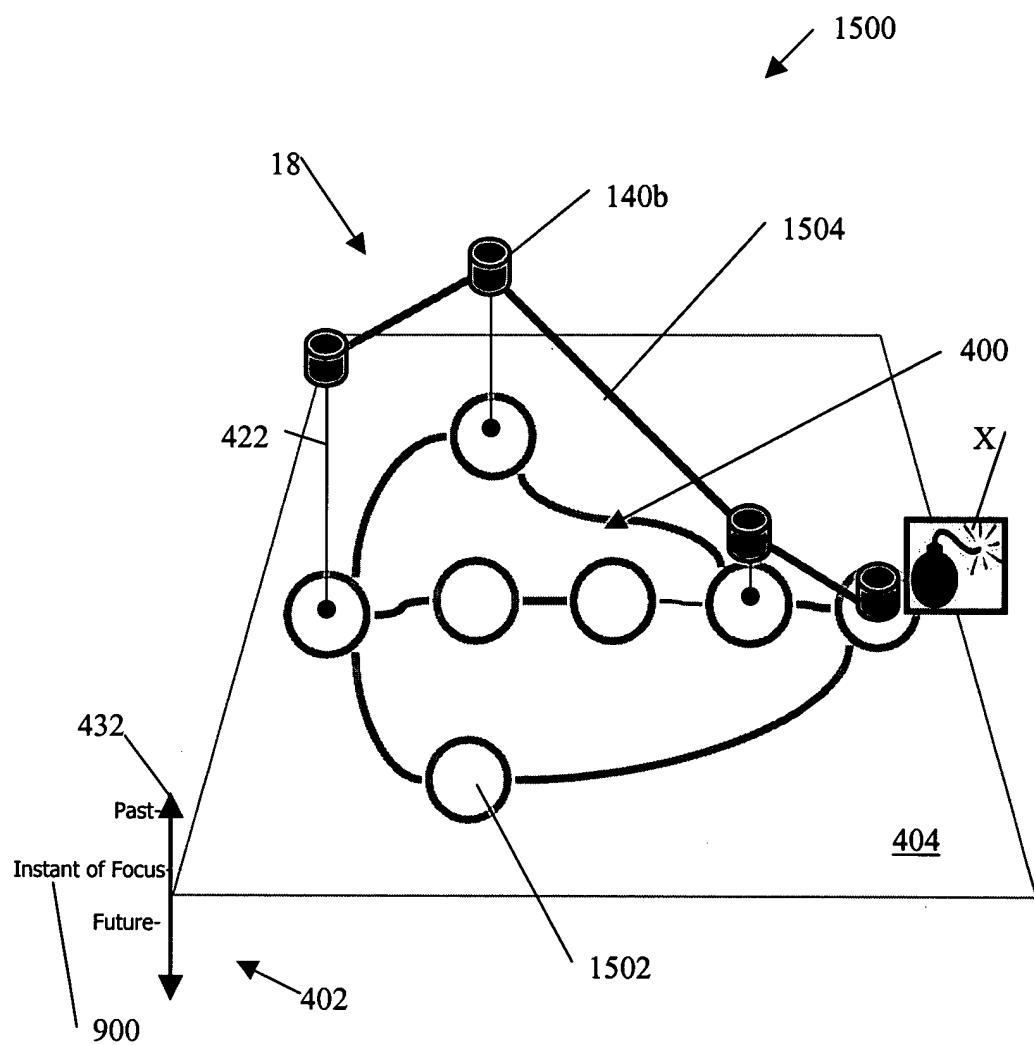
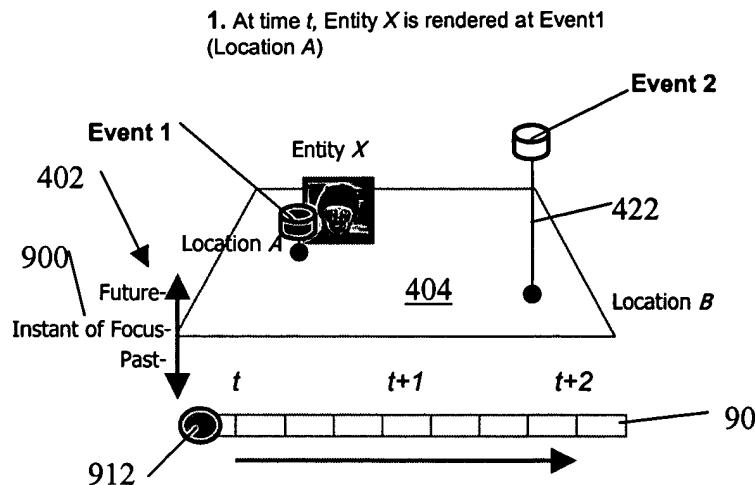


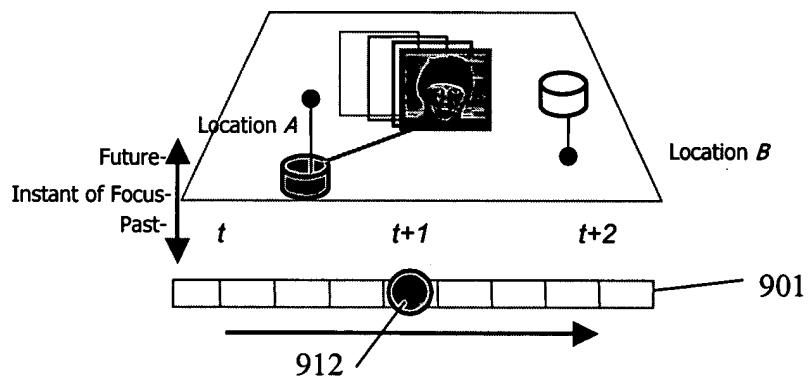
Figure 15

1600

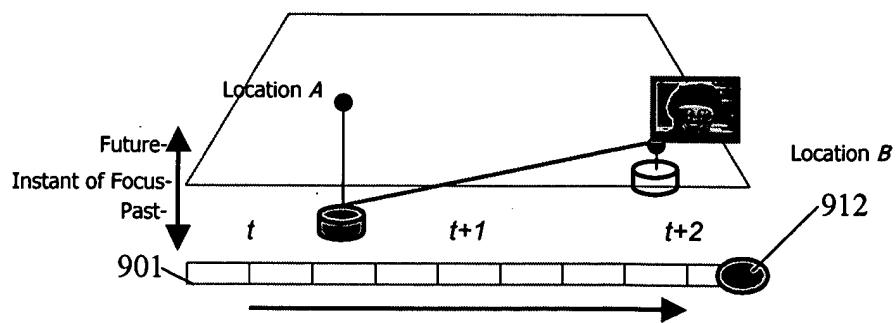


2. At time  $t+1$ , Entity X is shown moving between known locations (Event1 and Event2)

Figure 16



3. At time  $t+2$ , Entity X is rendered at Event2 (Location B)



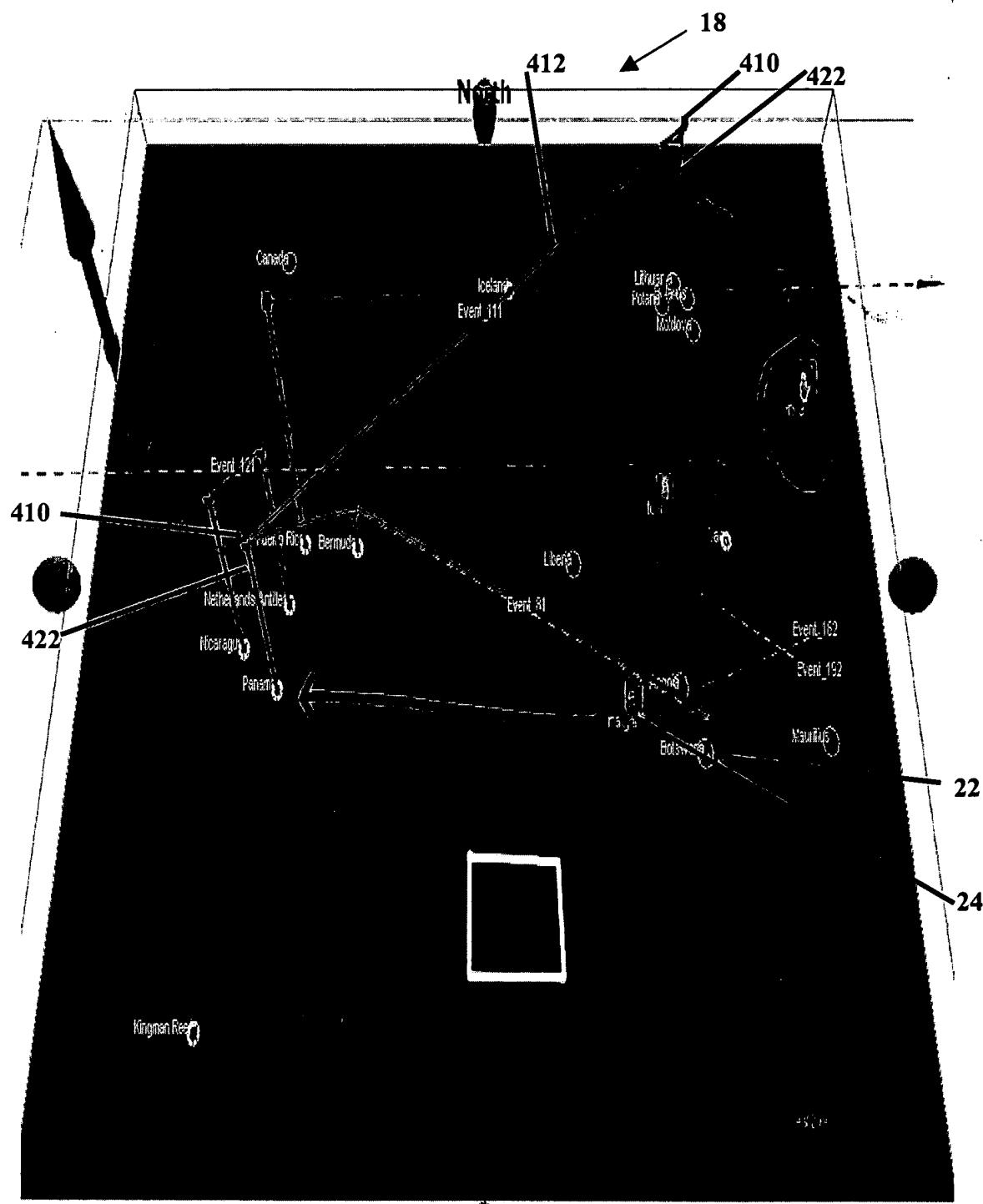


Figure 17

BEST AVAILABLE COPY

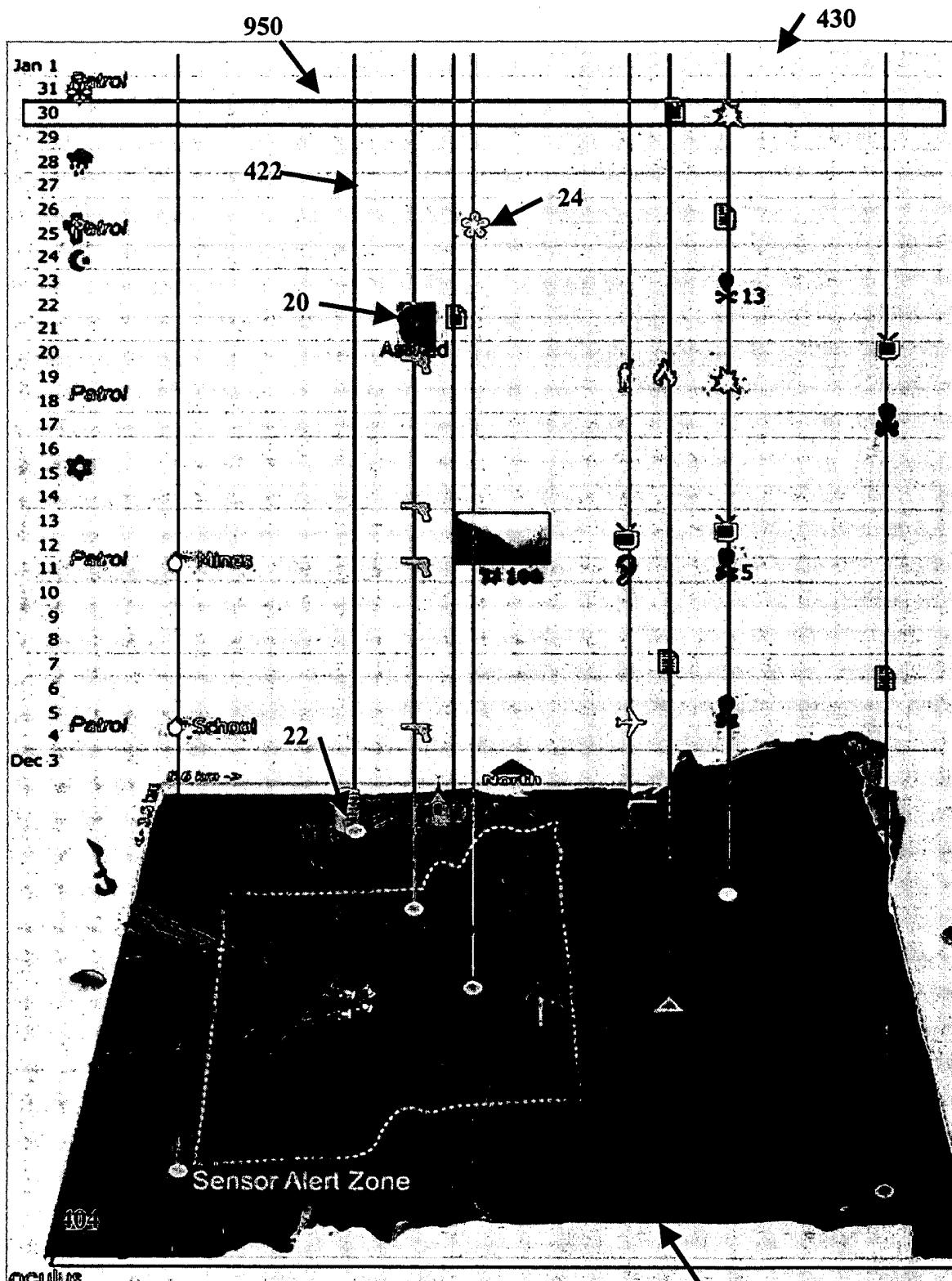


Figure 18

BEST AVAILABLE COPY

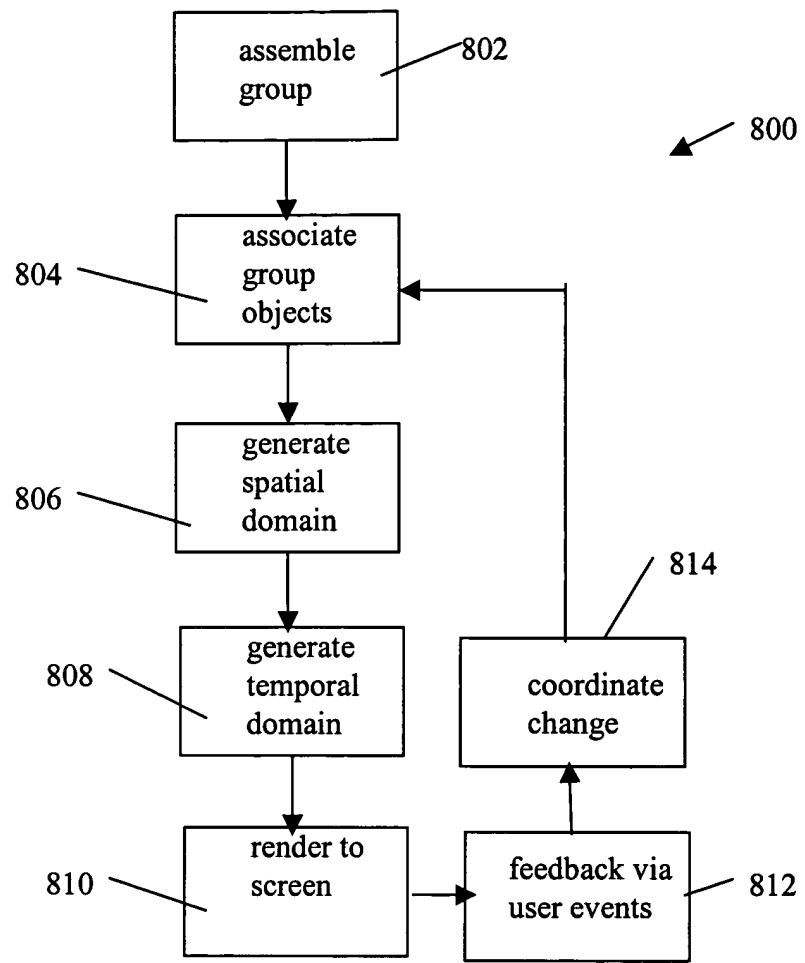


Figure 19

**BEST AVAILABLE COPY**